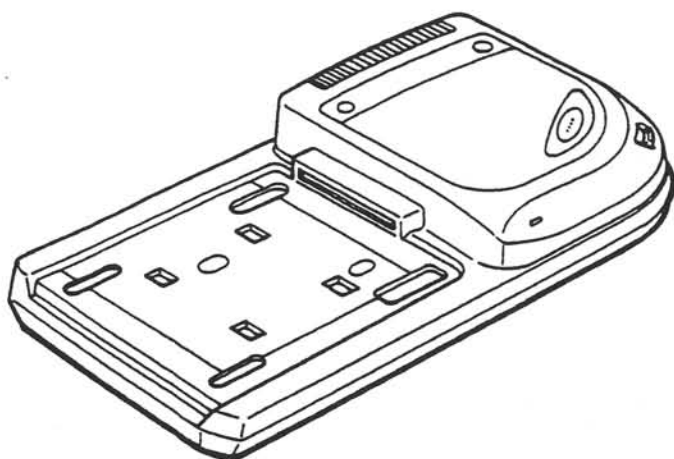


# SEGA<sup>TM</sup> SERVICE MANUAL

## SEGA CD II / MEGA CD II



NO.	002 - 2
ISSUED	JUNE, 1994

## SUPPLEMENT

### CONTENTS

1. DIFFERENCE TABLE .....	2
2. SCHEMATIC DIAGRAM .....	3
3. CIRCUIT BOARD DIAGRAM .....	9
4. EXPLODED VIEW & PARTS LIST	
4-1. Exploded View .....	11
4-2. Mechanical Parts List .....	12
4-3. Electrical Parts List .....	12
4-4. Accessories/Package List .....	16

**Sega Enterprises, Ltd.**

## BEFORE USING THIS SERVICE MANUAL

Although the products described in the service manual (No.002) used  $1.6 \times 0.8\text{mm}$  chips (leadless) resistors and capacitors, the size has been changed to  $2.0 \times 1.25\text{mm}$  and also the pattern has been changed. Use this service manual when servicing the products with serial No.T30282001 and later.

### 1. DIFFERENCE TABLE

#### 1-1. IC

Service Manual No.002				Serial No.T30282001 and later		
No.	Circuit No.	Parts No.	Description	Circuit No.	Parts No.	Description
1	IC001	314-0367	IC 74HC04	IC951	315-0853	IC TC7S04F
2	IC002	314-0407	IC 74HC74	IC952	314-0407	IC 74HC74
3	IC110	837-9798	IC BD MEGA CD2 PCM BD	Not used		

#### 1-2. CD Drive Unit

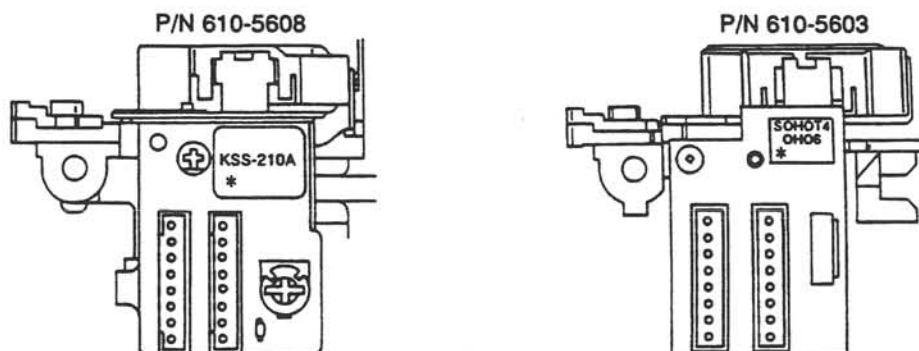
1) Differences electrical parts between CD DRIVE UNIT with P/N 610-5608 and P/N 610-5603.

Circuit No.	P/N 610-5608	P/N 610-5603	Circuit No.	P/N 610-5608	P/N 610-5603
Chip Resister			Chip Capacitor		
R414	1.8 kohm	2.2 kohm	C428	$0.056 \mu\text{F}$	Not used
R421	220 kohm	82 kohm	C451	15 pF	8 pF
R422	150 kohm	Not used	Electrolytic Capacitor		
R423	220 kohm	270 kohm	C412	$22 \mu\text{F}/6.3\text{V}$	$47 \mu\text{F}/6.3\text{V}$
R424	15 kohm	20 kohm			
R426	4.7 kohm	3.3 kohm			
R448	91 ohm	82 ohm			
R449	10 kohm	0 ohm			
R450	33 kohm	Not used			
R491	150 kohm	180 kohm			

2) Tracking gain adjustment value.

	P/N 610-5608	P/N 610-5603
Tracking gain adjustment value.	1 kHz/0 dB	800 Hz/0 dB

How to discriminate CD DRIVE UNIT between P/N 610-5608 and P/N 610-5603



(\*) The CD DRIVE UNIT can be discriminated by checking the indication in the label pasted here.

• In case of KSS-210A .....P/N 610-5608

• In case of SOHOT4.....P/N 610-5603

Fig. 1

Circuit No.	Parts No.	Description	Circuit No.	Parts No.	Description
R 707	476-2330-J-10	RES CHIP 33 OHM 1/10W 5%	C 216	151-0405	CAP CER CP 0.1UF/16V F Z
R 708	476-2330-J-10	RES CHIP 33 OHM 1/10W 5%	C 217	151-0412	CAP CER CP 1200PF/50V B K
R 709	476-2330-J-10	RES CHIP 33 OHM 1/10W 5%	C 218	151-0412	CAP CER CP 1200PF/50V B K
R 710	476-2330-J-10	RES CHIP 33 OHM 1/10W 5%	C 219	151-0405	CAP CER CP 0.1UF/16V F Z
R 711	476-2330-J-10	RES CHIP 33 OHM 1/10W 5%	C 220	150-0439	CAP E 10UF/16V 20%
R 712	476-2330-J-10	RES CHIP 33 OHM 1/10W 5%	C 221	150-0439	CAP E 10UF/16V 20%
R 713	476-2330-J-10	RES CHIP 33 OHM 1/10W 5%	C 222	150-0439	CAP E 10UF/16V 20%
R 714	476-2330-J-10	RES CHIP 33 OHM 1/10W 5%	C 223	151-0413	CAP CER CP 2200PF/50V B K
R 715	476-2330-J-10	RES CHIP 33 OHM 1/10W 5%	C 224	151-0405	CAP CER CP 0.1UF/16V F Z
R 716	476-2330-J-10	RES CHIP 33 OHM 1/10W 5%	C 225	151-0411	CAP CER CP 8200PF/50V B K
R 717	476-2330-J-10	RES CHIP 33 OHM 1/10W 5%	C 226	151-0413	CAP CER CP 2200PF/50V B K
R 718	479-5010-J-10	RES CHIP 0 OHM 1/10W	C 227	151-0411	CAP CER CP 8200PF/50V B K
R 801	NOT USED	NOT USED	C 228	150-0439	CAP E 10UF/16V 20%
R 802	479-5010-J-10	RES CHIP 0 OHM 1/10W	C 229	150-0439	CAP E 10UF/16V 20%
C 101	NOT USED	NOT USED	C 230	151-0411	CAP CER CP 8200PF/50V B K
C 103	NOT USED	NOT USED	C 231	151-0411	CAP CER CP 8200PF/50V B K
C 104	150-0439	CAP E 10UF/16V 20%	C 232	150-0439	CAP E 10UF/16V 20%
C 105	151-0405	CAP CER CP 0.1UF/16V F Z	C 233	150-0439	CAP E 10UF/16V 20%
C 109	151-0405	CAP CER CP 0.1UF/16V F Z	C 234	150-0439	CAP E 10UF/16V 20%
C 110	150-0439	CAP E 10UF/16V 20%	C 235	150-0439	CAP E 10UF/16V 20%
C 111	NOT USED	NOT USED	C 236	150-0439	CAP E 10UF/16V 20%
C 112	NOT USED	NOT USED	C 237	150-0439	CAP E 10UF/16V 20%
C 113	151-0406	CAP CER CP 100PF/50V SL J	C 238	150-0440	CAP E 100UF/6.3V 20%
C 114	151-0405	CAP CER CP 0.1UF/16V F Z	C 239	150-0439	CAP E 10UF/16V 20%
C 115	150-0439	CAP E 10UF/16V 20%	C 240	150-0439	CAP E 10UF/16V 20%
C 116	NOT USED	NOT USED	C 301	150-0440	CAP E 100UF/6.3V 20%
C 117	NOT USED	NOT USED	C 302	151-0405	CAP CER CP 0.1UF/16V F Z
C 118	151-0406	CAP CER CP 100PF/50V SL J	C 303	150-0441	CAP E 1000UF/6.3V 20%
C 119	151-0405	CAP CER CP 0.1UF/16V F Z	C 304	151-0405	CAP CER CP 0.1UF/16V F Z
C 120	151-0405	CAP CER CP 0.1UF/16V F Z	C 305	150-0249	CAP E 330UF 16V U-TYPE
C 122	150-0439	CAP E 10UF/16V 20%	C 306	150-0440	CAP E 100UF/6.3V 20%
C 123	NOT USED	NOT USED	C 401	151-0456	CAP CER CP 0.33UF/16V R K
C 124	NOT USED	NOT USED	C 403	150-0249	CAP E 330UF/16V U-TYPE
C 125	NOT USED	NOT USED	C 404	150-0440	CAP E 100UF/6.3V 20%
C 126	151-0405	CAP CER CP 0.1UF/16V F Z	C 405	NOT USED	NOT USED
C 127	150-0439	CAP E 10UF/16V 20%	C 406	150-0301	CAP E 470UF/6.3V U-TYPE
C 128	151-0405	CAP CER CP 0.1UF/16V F Z	C 407	150-0329	CAP E 3.3UF/50V U-TYPE
C 129	150-0439	CAP E 10UF/16V 20%	C 408	150-0440	CAP E 100UF/6.3V 20%
C 130	151-0405	CAP CER CP 0.1UF/16V F Z	C 409	150-0440	CAP E 100UF/6.3V 20%
C 131	150-0439	CAP E 10UF/16V 20%	C 410	150-0442	CAP E 0.47UF/50V 20%
C 132	150-0439	CAP E 10UF/16V 20%	C 411	150-0443	CAP E 22UF/6.3V 20%
C 133	151-0405	CAP CER CP 0.1UF/16V F Z	C 412	150-0443	CAP E 22UF/6.3V 20%
C 135	151-0405	CAP CER CP 0.1UF/16V F Z	C 412	150-0467	CAP E 47UF/6.3V 20%
C 136	NOT USED	NOT USED	C 413	150-0016	CAP E 1UF/50V
C 137	151-0405	CAP CER CP 0.1UF/16V F Z	C 414	150-0442	CAP E 0.47UF/50V 20%
C 138	151-0405	CAP CER CP 0.1UF/16V F Z	C 415	151-0415	CAP CER CP 3900PF/50V B K
C 139	150-0439	CAP E 10UF/16V 20%	C 416	151-0416	CAP CER CP 5PF/50V CH C
C 141	NOT USED	NOT USED	C 417	151-0506	CAP CER CP 0.033UF/25V B K
C 143	151-0409	CAP CER CP 1000PF/50V B K	C 418	151-0418	CAP CER CP 0.01UF/50V B K
C 144	151-0405	CAP CER CP 0.1UF/16V F Z	C 418	151-0509	CAP CER CP 0.01UF/25V B K
C 145	NOT USED	NOT USED	C 419	151-0506	CAP CER CP 0.033UF/25V B K
C 146	NOT USED	NOT USED	C 420	151-0418	CAP CER CP 0.01UF/50V B K
C 201	150-0440	CAP E 100UF/6.3V 20%	C 420	151-0509	CAP CER CP 0.01UF/25V B K
C 202	NOT USED	NOT USED	C 421	151-0418	CAP CER CP 0.01UF/50V B K
C 203	NOT USED	NOT USED	C 421	151-0509	CAP CER CP 0.01UF/25V B K
C 204	NOT USED	NOT USED	C 422	479-5010-J-10	RES CHIP 00HM 1/10W
C 206	150-0439	CAP E 10UF/16V 20%	C 423	151-0413	CAP CER CP 2200PF/50V B K
C 207	150-0439	CAP E 10UF/16V 20%	C 424	151-0507	CAP CER CP 0.1UF/25V B K
C 208	150-0439	CAP E 10UF/16V 20%	C 425	151-0506	CAP CER CP 0.033UF/25V B K
C 209	150-0439	CAP E 10UF/16V 20%	C 426	151-0506	CAP CER CP 0.033UF/25V B K
C 210	150-0439	CAP E 10UF/16V 20%	C 427	151-0507	CAP CER CP 0.1UF/25V B K
C 211	151-0410	CAP CER CP 680PF/50V B K	C 428	151-0508	CAP CER CP 0.056UF/16V B K
C 212	151-0410	CAP CER CP 680PF/50V B K	C 428	NOT USED	NOT USED
C 213	151-0405	CAP CER CP 0.1UF/16V F Z			
C 214	151-0411	CAP CER CP 8200PF/50V B K			
C 215	151-0411	CAP CER CP 8200PF/50V B K			

[KS]: SEGA CD II, CD DRIVE UNIT P/N 610-5608  
[KM]: MEGA CD II, CD DRIVE UNIT P/N 610-5608

[SS]: SEGA CD II, CD DRIVE UNIT P/N 610-5603  
[SM]: MEGA CD II, CD DRIVE UNIT P/N 610-5603

#### 4-4. Accessories/Package List

Circuit No.	Parts No.	Description	No.	Parts No.	Description
C 429	151-0507	CAP CER CP 0.1UF/25V B K	1	610-5507	ASSY CD ROM MDP ROAD AVENGER [KM, SM]
C 430	151-0421	CAP CER CH 4700PF/50V B K	2	400-5100B	AC ADAPTOR AC120V/DC10V 1.2A [KS, SS]
C 431	151-0409	CAP CER CP 1000PF/50V B K	2	400-5100B-01	AC ADAPTOR AC120V/DC10V 1.2A [KS, SS]
C 432	151-0506	CAP CER CP 0.033UF/25V B K	2	400-5122C	AC ADAPTOR AC230V/DC10V 1.2A [KM, SM]
C 433	151-0405	CAP CER CP 0.1UF/16V F Z	3	600-6201	STEREO MIXING CABLE W/CORE
C 435	151-0422	CAP CER CP 24PF/50V CH J	4	600-6204	AUDIO RCA CABLE L=2M UNION [KM, SM]
C 436	151-0422	CAP CER CP 24PF/50V CH J	5	610-5491	ASSY SPACER MEGA-CD2 EXPORT
C 438	151-0405	CAP CER CP 0.1UF/16V F Z	6	250-5346	HOLD PLATE SPACER MEGA-CD2 A
C 439	151-0405	CAP CER CP 0.1UF/16V F Z	7	250-5333	RETAINER BRACKET CD2 EXPORT
C 441	151-0405	CAP CER CP 0.1UF/16V F Z	8	250-5329	CONN PLATE A ACCESSORY CD2 EXP
C 442	151-0405	CAP CER CP 0.1UF/16V F Z	9	250-5330	CONN PLATE B ACCESSORY CD2 EXP
C 443	151-0405	CAP CER CP 0.1UF/16V F Z	10	000-F00410	M SCR FH M4X10
C 444	151-0405	CAP CER CP 0.1UF/16V F Z	11	671-3240-01	MA CTN SEGA-CD2 USA [KS, SS]
C 447	151-0405	CAP CER CP 0.1UF/16V F Z	11	671-3240-01E	MA CTN SEGA-CD2 USA E [KS, SS]
C 449	151-0405	CAP CER CP 0.1UF/16V F Z	11	671-3240-03	MA CTN MEGA-CD2 MULTI 4180 [KM, SM]
C 450	150-0441	CAP E 1000UF/6.3V 20%	11	671-3240-06	MA CTN MEGA-CD2 MULTI 4182 [KM, SM]
C 451	151-0436	CAP CER CP 15PF/50V CH J [KS, KM]	12	672-1257	OPERATION MANUAL CD2 USA [KS, SS]
C 451	151-0501	CAP CER CP 8PF/50V CH J [SS, SM]	12	672-1258	OPERATION MANUAL CD2 MULTI [KM, SM]
C 452	151-0405	CAP CER CP 0.1UF/16V F Z	12	672-1258-01	OPERATION MANUAL CD2 MULTI 01 [KM, SM]
C 453	151-0405	CAP CER CP 0.1UF/16V F Z	12	672-1258-02	OPERATION MANUAL CD2 MULTI 02 [KM, SM]
C 454	151-0409	CAP CER CP 1000PF/50V B K	12	672-1258-02A	OPERATION MANUAL CD2 MULTI 02A [KM, SM]
C 455	150-0016	CAP E 1UF/50V	13	671-3322-01	BOX & PACK SET CD2 USA [KS, SS]
C 601	151-0507	CAP CER CP 0.1UF/25V B K	13	671-3980-01	BOX & PACK SET CD2 USA DP [KS, SS]
C 701	NOT USED	NOT USED	13	671-3322-03	BOX & PACK SET CD2 MULTI 4180 [KM, SM]
C 702	151-0437	CAP CER CP 150PF/50V CH J	13	671-3322-06	BOX & PACK SET CD2 MULTI 4182 [KM, SM]
C 703	151-0437	CAP CER CP 150PF/50V CH J	13	671-3980-03	BOX & PACK SET CD2 MUL 4180 DP [KM, SM]
C 704	151-0437	CAP CER CP 150PF/50V CH J	13	671-3980-05	BOX & PACK SET CD2 MUL 4182 DP [KM, SM]
C 705	151-0437	CAP CER CP 150PF/50V CH J	14	670-3211	BUSINESS REPLY MAIL CD2 USA [KS, SS]
C 706	151-0437	CAP CER CP 150PF/50V CH J	14	670-2779	EPILEPSY WARNING SHEET MULTI [KM, SM]
C 707	151-0437	CAP CER CP 150PF/50V CH J	14	670-3551	EPILEPSY WARNING SHEET MUL V2 [KM, SM]
C 708	151-0437	CAP CER CP 150PF/50V CH J	15	670-3311	GUARANTEE CARD CD2 MULTI [KM, SM]
C 709	151-0437	CAP CER CP 150PF/50V CH J	15	670-3311-01	GUARANTEE CARD CD2 MULTI 01 [KM, SM]
C 710	151-0437	CAP CER CP 150PF/50V CH J	16	SGM-4218	POLY BAG 300*550*0.05 EXP 6
C 711	151-0437	CAP CER CP 150PF/50V CH J	17	SGM-4245	POLY BAG 200*310*0.05 EXP 6
C 712	151-0437	CAP CER CP 150PF/50V CH J	19	SGM-4207	POLY BAG 70*100*0.05
C 713	151-0437	CAP CER CP 150PF/50V CH J	20	SGM-4220	POLY BAG 120*300*0.02
C 714	151-0437	CAP CER CP 150PF/50V CH J	21	SGM-4259	POLY BAG 80*180*0.05
C 715	151-0437	CAP CER CP 150PF/50V CH J	22	670-3265	CROSS SELL POSTER GEN2 USA [KS, SS]
C 716	151-0437	CAP CER CP 150PF/50V CH J			
C 717	151-0437	CAP CER CP 150PF/50V CH J			
C 810	NOT USED	NOT USED			
C 901	NOT USED	NOT USED			
C 902	NOT USED	NOT USED			
C 903	150-0440	CAP E 100UF/6.3V 20%			
C 920	151-0438	CAP CER CP 0.022UF/25V B K			
C 921	151-0405	CAP CER CP 0.1UF/16V F Z			
C 922	151-0439	CAP CER CP 47PF/50V CH J			
C 923	151-0439	CAP CER CP 47PF/50V CH J			
C 930	151-0405	CAP CER CP 0.1UF/16V F Z			
C 931	151-0405	CAP CER CP 0.1UF/16V F Z			
C 932	NOT USED	NOT USED			
C 933	151-0405	CAP CER CP 0.1UF/16V F Z			
C 934	151-0405	CAP CER CP 0.1UF/16V F Z			
C 951	151-0405	CAP CER CP 0.1UF/16V F Z			
C 952	151-0405	CAP CER CP 0.1UF/16V F Z			

【NOTE】 [KS]: SEGA CDII, CD DRIVE UNIT P/N 610-5608  
[KM]: MEGA CDII, CD DRIVE UNIT P/N 610-5608

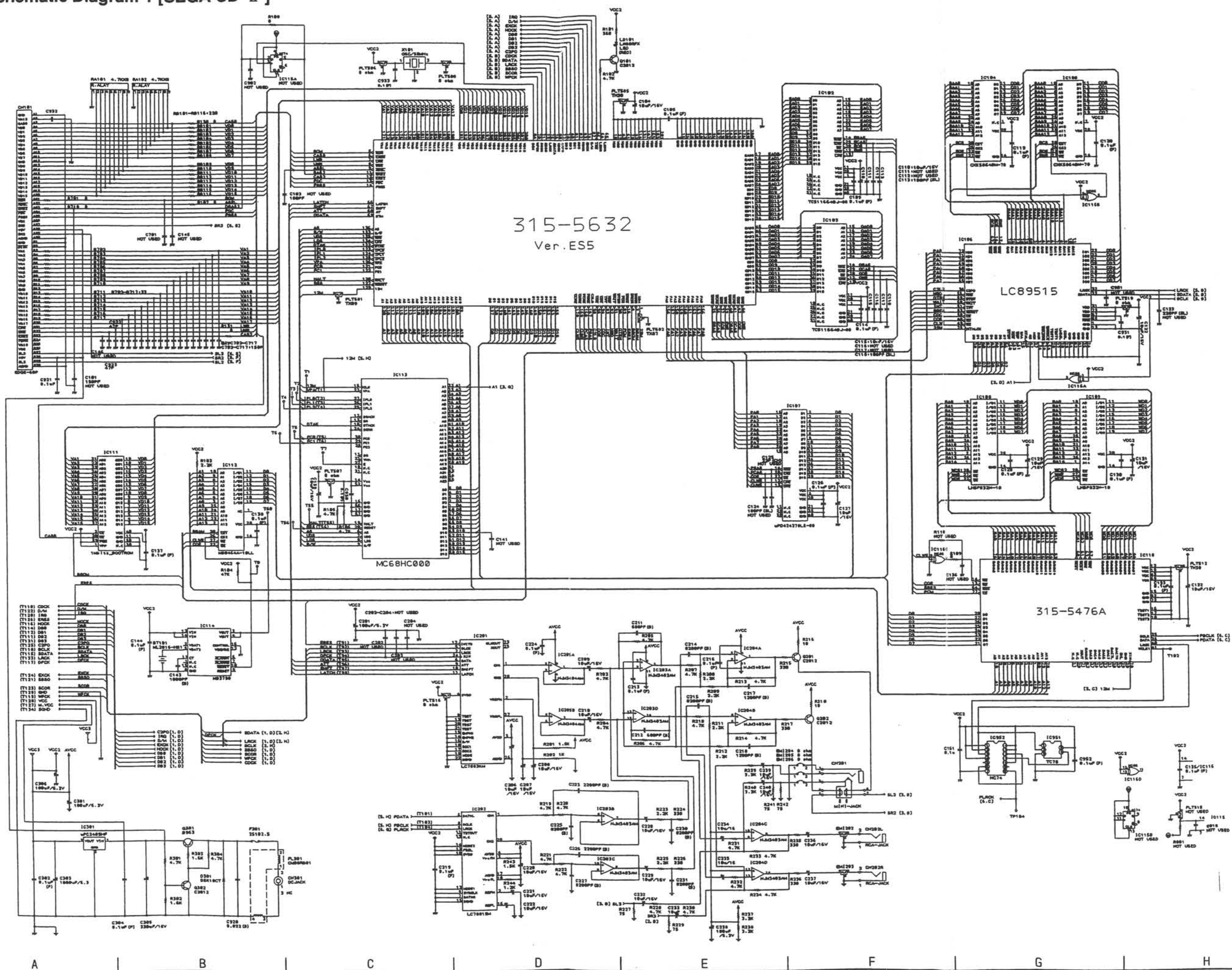
[SS]: SEGA CDII, CD DRIVE UNIT P/N 610-5603  
[SM]: MEGA CDII, CD DRIVE UNIT P/N 610-5603



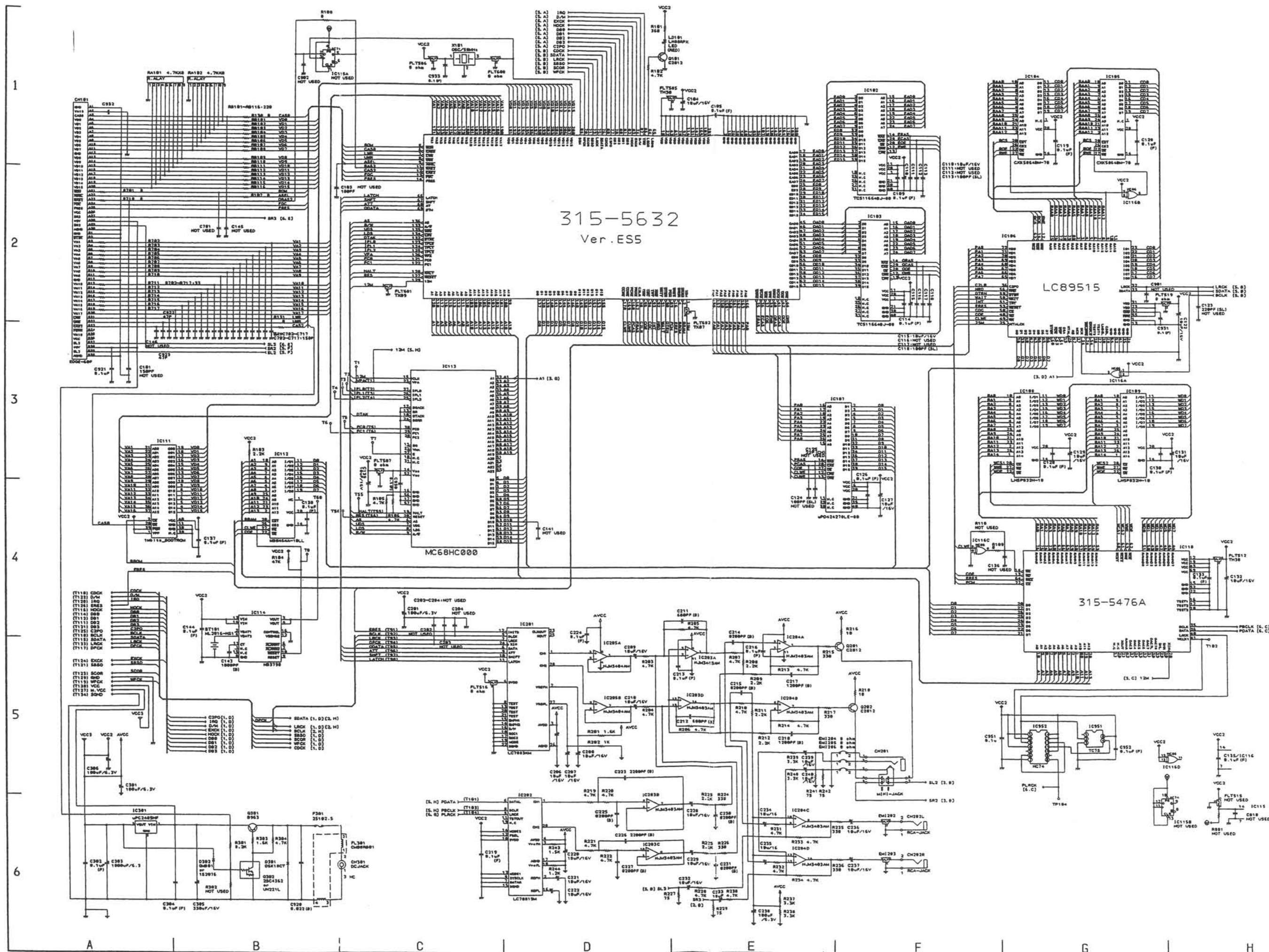


## 2. SCHEMATIC DIAGRAM

## 2-1. Schematic Diagram-1 [SEGA CD II]

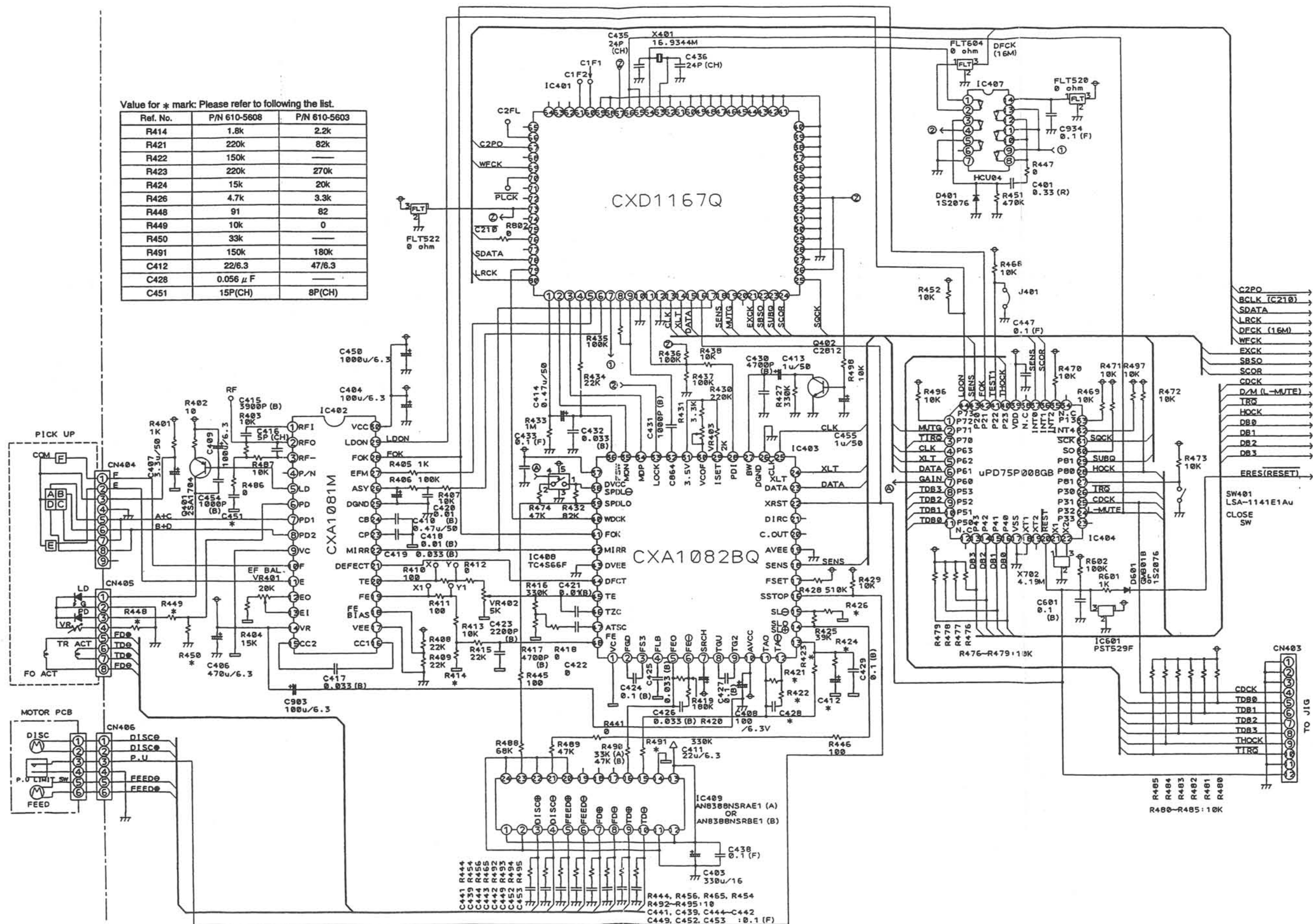


## 2-2. Schematic Diagram-2 [MEGA CD II]





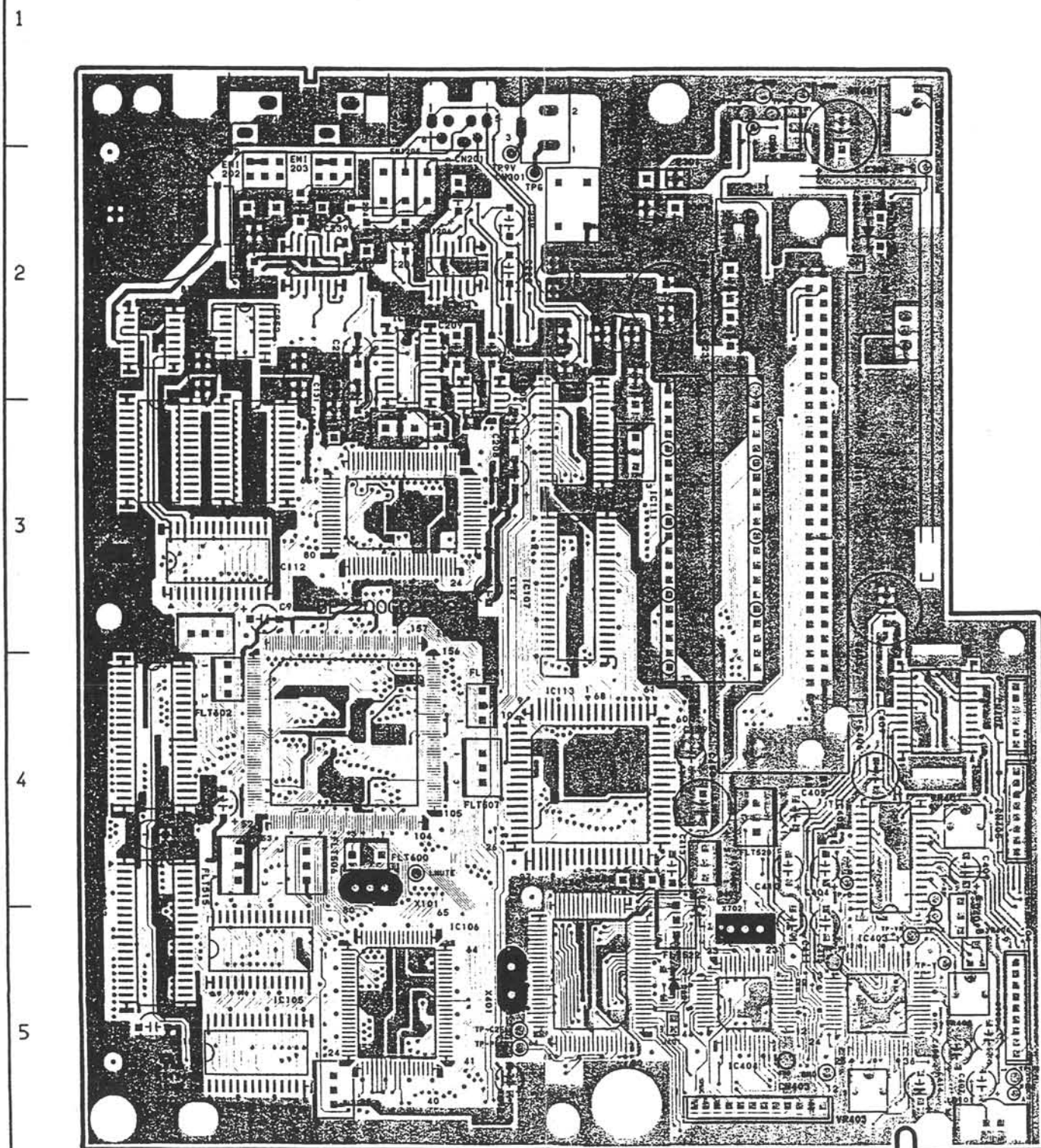
# 2-3. Schematic Diagram-3



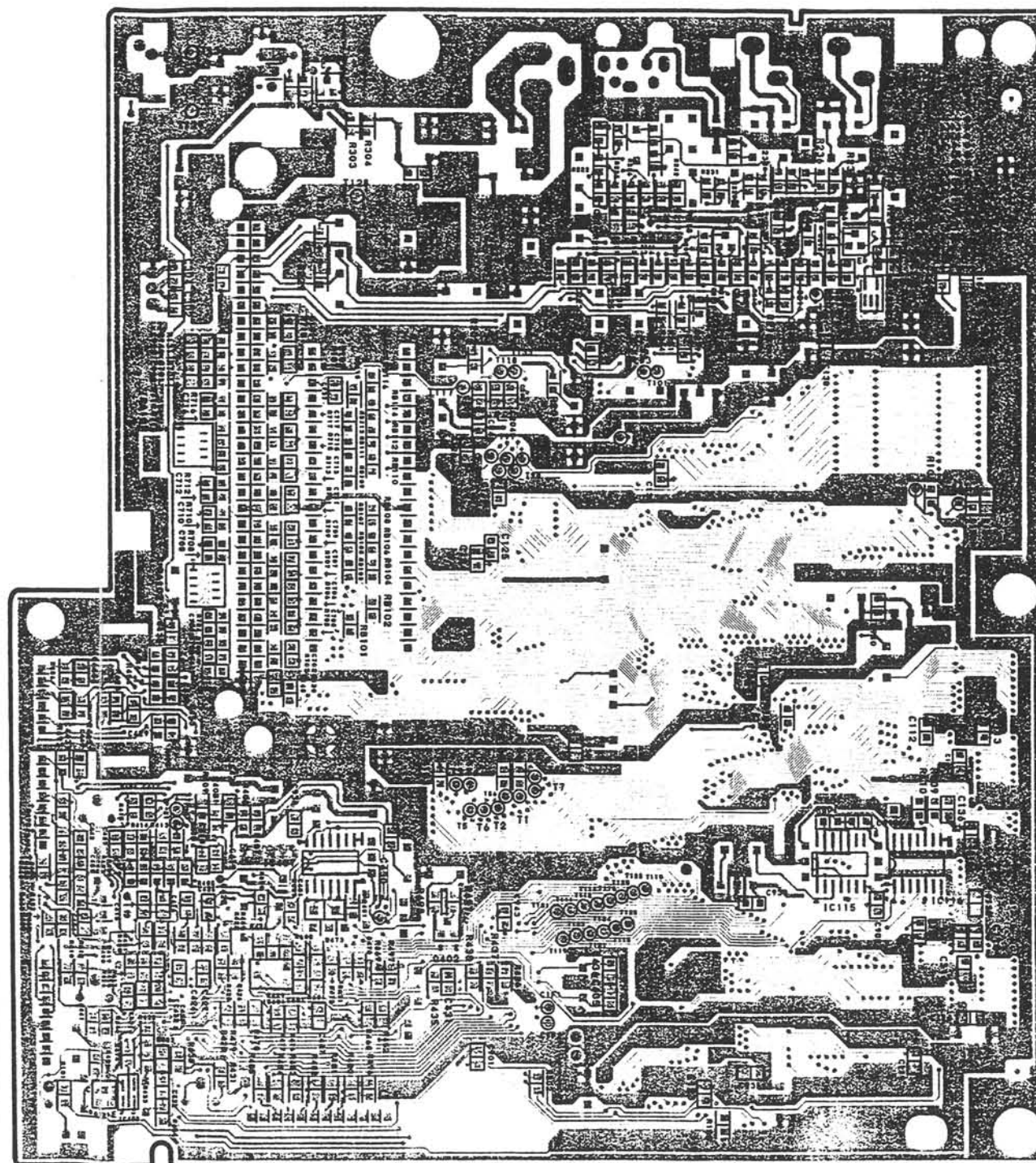


### 3. CIRCUIT BOARD DIAGRAM

### 3-1. Main Circuit Board [Top View]



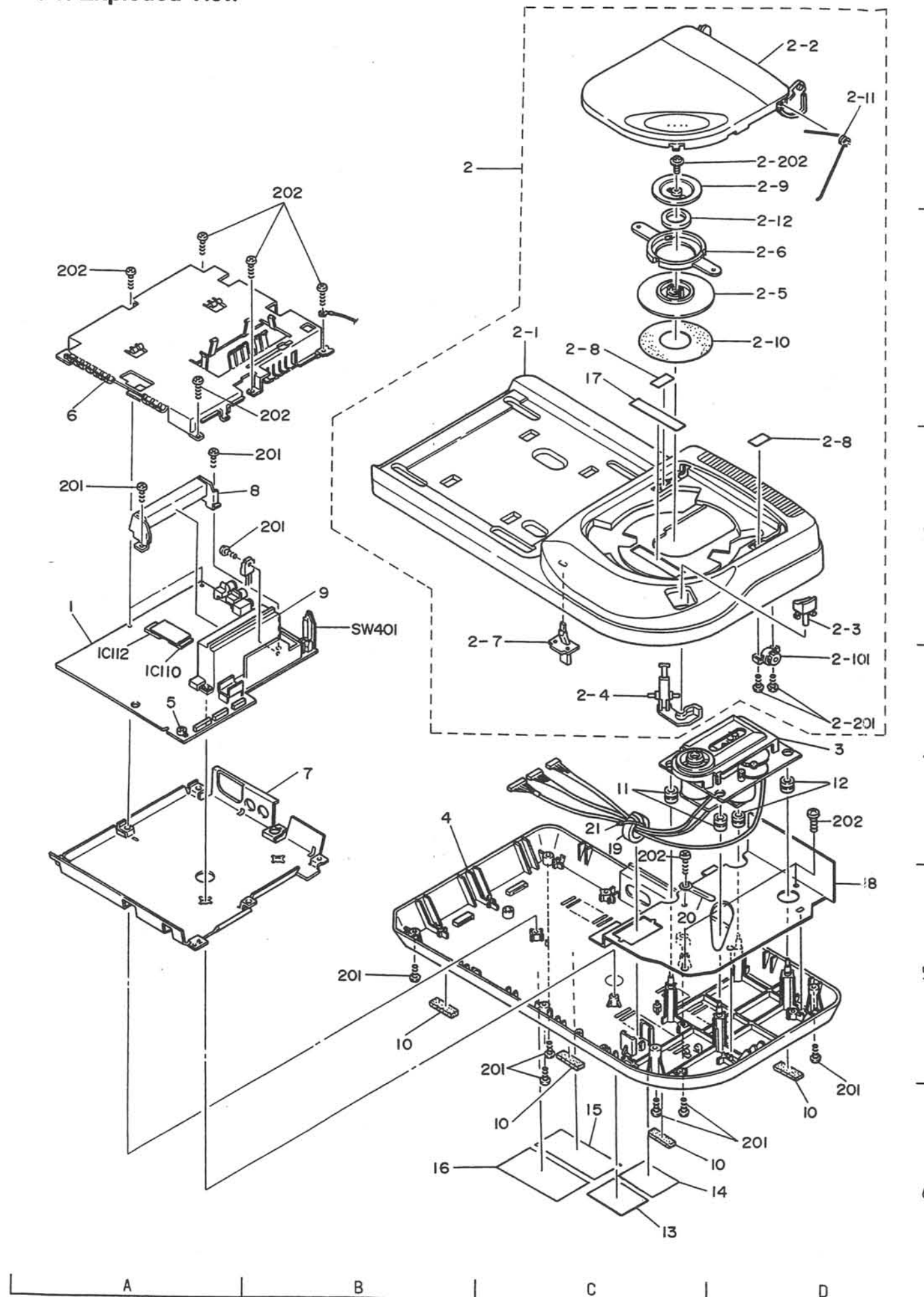
### 3-2. Main Circuit Board [Bottom View]





## 4. EXPLODED VIEW & PARTS LIST

### 4-1. Exploded View



### 4-2. Mechanical Parts List

Ref. No.	Parts No.	Description
1	837-10210	IC BD SEGA-CD2 MAIN USA CH [KS]
1	837-10213	IC BD SEGA-CD2 MAIN USA CHSS [SS]
1	837-10211	IC BD MEGA-CD2 MAIN MULTI CH [KM]
1	837-10214	IC BD MEGA-CD2 MAIN MULTI CHSS [SM]
2	610-5466	ASSY TOP CASE SEGA-CD2 USA [KS, SS]
2	610-5467	ASSY TOP CASE MEGA-CD2 MULTI [KM, SM]
2-1	253-6661	TOP CASE MEGA-CD2 EXPORT
2-2	253-6635	DOOR SEGA-CD2 USA [KS, SS]
2-2	253-6636	DOOR MEGA-CD2 MULTI [KM, SM]
2-3	253-6562-01	DOOR KNOB SEGA-CD2 USA [KS, SS]
2-3	253-6562-02	DOOR KNOB MEGA-CD2 MULTI [KM, SM]
2-4	253-6563	DOOR LEVER MEGA-CD2
2-5	253-6564	CHUCK DISK MEGA-CD2
2-6	253-6565	CHUCK HOLDER MEGA-CD2
2-7	253-6566	LED LENS MEGA-CD2
2-8	253-6569	BLIND SHEET MEGA-CD2
2-9	250-5306	CONNECT PLATE MEGA-CD2
2-10	601-6983	CHUCK SHEET MEGA-CD2
2-11	125-5101	DOOR SPRING MEGA-CD2
2-12	113-0020	MAGNET MEGA-CD2 TK-4094 TOKIN
2-101	601-7018	OIL DAMPER MEGA-CD2
2-101	012-P00210	TAP SCR PH 2X10
2-202	029-000016	CUP SCR 2.6#5
3	610-5608	CD DRIVE UNIT MEGA-CD2 V2 [KS, KM]
3	610-5603	CD DRIVE UNIT MEGA-CD2 SS [SS, SM]
4	253-6651	BOTTOM CASE MEGA-CD2 EXPORT [KS, SS]
4	253-6651A	BOTTOM CASE MCD2 EXPORT ALPEX [KM, SM]
5	253-6567	LED HOLDER MEGA-CD2
6	250-5327	TOP SHIELD CD2 EXPORT
7	250-5328	BOTTOM SHIELD CD2 EXPORT
8	250-5325	CONNECTER SHIELD A CD2 EXPORT
9	250-5326	CONNECTER SHIELD B CD2 EXPORT
10	601-6982	RUBBER FOOT MEGA-CD2
11	601-6984	RUBBER DAMPER A MEGA-CD2
12	601-7002	RUBBER DAMPER B MEGA-CD2
13	670-3119	LABEL SER. NO. MK-4101 USA [KS, SS]
13	670-3120	LABEL SER. NO. MEGA-CD2 MULTI [KM, SM]
14	670-3126-01	LABEL FDA MK-4101 USA [KS, SS]
14	670-2774	LABEL CAUTION LASER EUROPE [KM, SM]
15	670-0248	SEAL CUSTOMER SERVICE [KS, SS]
15	670-4562	LABEL RFI & CE MARK [KM, SM]
16	670-3204A	LABEL FCC & ALPEX SCD2 USA [KS, SS]
17	670-3210	CAUTION LABEL MEGA-CD2 MULTI [KM, SM]
17	670-3209	CAUTION LABEL SEGA-CD2 USA [KS, SS]
18	250-5350	CD UNIT SHIELD CD2 EXPORT
19	270-5074	FERRITE CORE CD2 EXPORT
20	280-5242	HARNESS LUG L=35MM
21	601-0460	PLASTIC TIE BELT 100 M/M
201	012-P00310	TAP SCR PH 3X10
202	012-P00308	TAP SCR PH 3X8

[NOTE] [KS]: SEGA CD II, CD DRIVE UNIT P/N 610-5608  
[KM]: MEGA CD II, CD DRIVE UNIT P/N 610-5603

### 4-3. Electrical Parts List

Circuit No.	Parts No.	Description
IC101	315-5632	IC CUSTOM CHIP MCE3 FUJITSU
IC102	315-0745-80	IC TC511664BJ-80 SOJ TOSHIBA
IC102	315-0804-70	IC UPD421664LE-70 SOJ NEC
IC102	315-0804-80	IC UPD421664-80 SOJ NEC
IC102	315-0805-80	IC UPD421664-80L SOJ NEC
IC103	315-0745-80	IC TC511664BJ-80 SOJ TOSHIBA
IC103	315-0804-70	IC UPD421664LE-70 SOJ NEC
IC103	315-0804-80	IC UPD421664-80 SOJ NEC
IC103	315-0805-80	IC UPD421664-80L SOJ NEC
IC104	315-0651	IC MB8464A-80 SOP 28P FUJITSU
IC104	315-0651-90	IC MB8464A-90 SOP 28P
IC104	315-0773	IC CXK5864CM-70LL-T6 SOP SONY
IC104	315-0796-70	IC CXK5864BM-70 SOP SONY
IC105	315-0651	IC MB8464A-80 SOP 28P FUJITSU
IC105	315-0651-90	IC MB8464A-90 SOP 28P
IC105	315-0773	IC CXK5864CM-70LL-T6 SOP SONY
IC105	315-0796-70	IC CXK5864BM-70 SOP SONY
IC106	313-5181-01	IC LC89515 QFP SANYO
IC107	315-0739-80	IC UPD424270LE-80 NEC
IC107	315-0777-80	IC HM514270AJ-8 SOJ HITACHI
IC107	315-0818	IC M5M44270AJ-8 SOJ MITSUBISHI
IC107	315-0822-80	IC MN414270SJ-08 SOJ PANASONIC
IC108	315-0677	IC TC51832FL-10 SOP TOSHIBA
IC108	315-0759-10	IC TC51832AFL-10 SOP TOSHIBA
IC108	315-0760-10	IC LH5P832N-10 SOP SHARP
IC109	315-0677	IC TC51832FL-10 SOP TOSHIBA
IC109	315-0759-10	IC TC51832AFL-10 SOP TOSHIBA
IC109	315-0760-10	IC LH5P832N-10 SOP SHARP
IC110	315-5476A	IC CUSTOM CHIP RF5C164A RICHIO
IC111	MPR-15511	SEGA-CD2 USA BOOT ROM [KS, SS]
IC111	MPR-15511A	SEGA-CD2 USA BOOT ROM [KS, SS]
IC111	MPR-15512	IC MEGA-CD2 (PAL) BOOT ROM L661 [KM, SM]
IC111	MPR-15512A	IC MEGA-CD2 (PAL) BOOT ROM VER2 [KM, SM]
IC112	315-0635	IC MB8464A-10LL PF-6-BND FUJIT
IC113	315-0637	IC MC68HC000FN12 PLCC MOTOROLA
IC113	315-0650	IC HD68HC000CP-12 PLCC HITACHI
IC114	313-5190	IC MB3790 SOP 16PIN FUJITSU
IC115	NOT USED	NOT USED
IC116	314-0549-01	IC TC74HC86 SOP TOSHIBA
IC201	313-5184	IC LC7883KM SOP SANYO
IC202	313-5231	IC LC78815M SOP 20P SANYO
IC203	313-5249	IC NJM3403AM SOP
IC204	313-5249	IC NJM3403AM SOP
IC205	313-5250	IC NJM3404AM SOP
IC301	313-5193	IC UPC2405HF NEC
IC401	315-0798	IC CXD1167Q QFP
IC402	313-5251	IC CXA1081M SOP
IC403	313-5252	IC CXA1082Q QFP
IC404	315-0799	IC UPD75P008GB QFP
IC404	315-0808	IC UPD75006GB QFP
IC404	315-0848	IC UPD75006GB-639-3B4
IC407	314-0571	IC 74HC04 SOP
IC408	313-5253	IC TC4S66F-TE85R
IC409	314-0572	IC AN8388SR SOP
IC409	314-0585	IC AN8388NSRBE1 SOP
IC601	314-0573	IC PST529F MMP3P RESET IC
IC951	315-0853	IC TC7S04F
IC952	314-0407	IC 74HC74

[SS]: SEGA CD II, CD DRIVE UNIT P/N 610-5603  
[SM]: MEGA CD II, CD DRIVE UNIT P/N 610-5603

Circuit No.	Parts No.	Description	Circuit No.	Parts No.	Description
Q 101	482-5191	XSTR CHIP 2SC2812-5-CP-TB	RA102	477-0152	RES PACK CP 8*4. 7K OHM W/COMM
Q 101	482-5192	XSTR CHIP 2SC2812-6-CP-TB	RB101	476-2221-J-10	RES CHIP 220 OHM 1/10W 5%
Q 201	482-5191	XSTR CHIP 2SC2812-5-CP-TB	RB102	476-2221-J-10	RES CHIP 220 OHM 1/10W 5%
Q 201	482-5192	XSTR CHIP 2SC2812-6-CP-TB	RB103	476-2221-J-10	RES CHIP 220 OHM 1/10W 5%
Q 202	482-5191	XSTR CHIP 2SC2812-5-CP-TB	RB104	476-2221-J-10	RES CHIP 220 OHM 1/10W 5%
Q 202	482-5192	XSTR CHIP 2SC2812-6-CP-TB	RB105	476-2221-J-10	RES CHIP 220 OHM 1/10W 5%
Q 301	482-5193	XSTR 2SB963 M	RB106	476-2221-J-10	RES CHIP 220 OHM 1/10W 5%
Q 301	482-5194	XSTR 2SB963 L	RB107	476-2221-J-10	RES CHIP 220 OHM 1/10W 5%
Q 301	482-5195	XSTR 2SB963 K	RB108	476-2221-J-10	RES CHIP 220 OHM 1/10W 5%
Q 302	482-5191	XSTR CHIP 2SC2812-5-CP-TB [KS, SS]	RB109	476-2221-J-10	RES CHIP 220 OHM 1/10W 5%
Q 302	482-5192	XSTR CHIP 2SC2812-6-CP-TB [KS, SS]	RB110	476-2221-J-10	RES CHIP 220 OHM 1/10W 5%
Q 302	482-5204	XSTR CHIP 2SC4362 [KM, SM]	RB111	476-2221-J-10	RES CHIP 220 OHM 1/10W 5%
Q 302	482-5205	XSTR CHIP UN221L [KM, SM]	RB112	476-2221-J-10	RES CHIP 220 OHM 1/10W 5%
Q 401	482-5196	XSTR 2SA1704 S-AN	RB113	476-2221-J-10	RES CHIP 220 OHM 1/10W 5%
Q 401	482-5197	XSTR 2SA1704 T-AN	RB114	476-2221-J-10	RES CHIP 220 OHM 1/10W 5%
Q 402	482-5191	XSTR CHIP 2SC2812-5-CP-TB	RB115	476-2221-J-10	RES CHIP 220 OHM 1/10W 5%
Q 402	482-5192	XSTR CHIP 2SC2812-6-CP-TB	RB116	476-2221-J-10	RES CHIP 220 OHM 1/10W 5%
D 301	481-5119	DIODE DSK10-ET1	SW401	250-5342	SW COVER CD2 SY
D 302	481-5120	DIODE 1S2076RE [KM, SM]	VR401	475-0073	V. RES C TRM 20K OHM B RADIAL
D 302	NOT USED	NOT USED [KS, SS]	VR402	475-0074	V. RES C TRM 5K OHM B RADIAL
D 401	481-5120	DIODE 1S2076RE	VR403	475-0075	V. RES C TRM 2K OHM B RADIAL
D 601	481-5120	DIODE 1S2076RE	VR404	NOT USED	NOT USED
BT101	401-0037	BATTERY ML2016-HS1 SANYO	X 101	230-5103	XTAL OSC 50.000MHZ JXO-7
CN101	209-5068	EDGE CONN 60PIN CD2 CUSTOM	X 401	230-5104	XTAL OSC 16.9344MHZ HC-49U
CN201	210-5114	STEREO MINIJACK HSJ2000-01-010	X 702	230-5109	CER OSC 4.19MHZ
CN202	210-5115	RCA JACK YKC21-0242	R 101	476-2361-J-10	RES CHIP 360 OHM 1/10W 5%
CN301	212-5378	DC JACK HECO470-01-630	R 102	476-2472-J-10	RES CHIP 4.7KOHM 1/10W 5%
CN403	212-5382	PIN HEADER ST IL-S-12P-S2T2-EF	R 103	476-2222-J-10	RES CHIP 2.2KOHM 1/10W 5%
CN404	212-5379	CONN BASE 9P B9B-PH-K-S	R 104	476-2473-J-10	RES CHIP 47KOHM 1/10W 5%
CN405	212-5380	CONN BASE 8P B8B-PH-K-S	R 105	476-2472-J-10	RES CHIP 4.7KOHM 1/10W 5%
CN406	212-5381	CONN BASE 6P B6B-PH-K-S	R 106	476-2472-J-10	RES CHIP 4.7KOHM 1/10W 5%
EMI202	271-0007	EMI FILTER STX222MB	R 107	479-5010-J-10	RES CHIP 0 OHM 1/10W
EMI202	271-0073	EMI FILTER ED31-D222M	R 108	479-5010-J-10	RES CHIP 0 OHM 1/10W
EMI202	479-5009	RES 0 OHM 1/4W	R 109	479-5010-J-10	RES CHIP 0 OHM 1/10W
EMI203	271-0007	EMI FILTER STX222MB	R 110	NOT USED	NOT USED
EMI203	271-0073	EMI FILTER ED31-D222M	R 130	479-5010-J-10	RES CHIP 0 OHM 1/10W
EMI203	479-5009	RES 0 OHM 1/4W	R 131	479-5010-J-10	RES CHIP 0 OHM 1/10W
EMI204	479-5009	RES 0 OHM 1/4W	R 201	476-2162-J-10	RES CHIP 1.6KOHM 1/10W 5%
EMI205	479-5009	RES 0 OHM 1/4W	R 202	476-2102-J-10	RES CHIP 1KOHM 1/10W 5%
EMI206	479-5009	RES 0 OHM 1/4W	R 203	476-2472-J-10	RES CHIP 4.7KOHM 1/10W 5%
F 301	514-5060	FUSE PICO II 25102.5 AXIAL	R 204	476-2472-J-10	RES CHIP 4.7KOHM 1/10W 5%
FL301	271-0054	LINE FILTER CMO8RB01	R 205	476-2472-J-10	RES CHIP 4.7KOHM 1/10W 5%
FLT505	271-0058	FILMAC TH30333MAT	R 206	476-2472-J-10	RES CHIP 4.7KOHM 1/10W 5%
FLT506	479-5009	RES 0 OHM 1/4W	R 207	476-2472-J-10	RES CHIP 4.7KOHM 1/10W 5%
FLT507	479-5009	RES 0 OHM 1/4W	R 208	476-2222-J-10	RES CHIP 2.2KOHM 1/10W 5%
FLT512	271-0058	FILMAC TH30333MAT	R 209	476-2222-J-10	RES CHIP 2.2KOHM 1/10W 5%
FLT516	479-5009	RES 0 OHM 1/4W	R 210	476-2472-J-10	RES CHIP 4.7KOHM 1/10W 5%
FLT519	479-5009	RES 0 OHM 1/4W	R 211	476-2222-J-10	RES CHIP 2.2KOHM 1/10W 5%
FLT520	479-5009	RES 0 OHM 1/4W	R 212	476-2222-J-10	RES CHIP 2.2KOHM 1/10W 5%
FLT522	479-5009	RES 0 OHM 1/4W	R 213	476-2472-J-10	RES CHIP 4.7KOHM 1/10W 5%
FLT600	479-5009	RES 0 OHM 1/4W	R 214	476-2472-J-10	RES CHIP 4.7KOHM 1/10W 5%
FLT601	271-0059	FILMAC TX09500NBT	R 215	476-2331-J-10	RES CHIP 330 OHM 1/10W 5%
FLT602	271-0060	FILMAC TX07250NBT	R 216	476-2100-J-10	RES CHIP 10 OHM 1/10W 5%
FLT604	479-5009	RES 0 OHM 1/4W	R 217	476-2331-J-10	RES CHIP 330 OHM 1/10W 5%
LD101	390-5449	LED LN88RPX	R 218	476-2100-J-10	RES CHIP 10 OHM 1/10W 5%
RA101	477-0152	RES PACK CP 8*4. 7K OHM W/COMM	R 219	476-2472-J-10	RES CHIP 4.7KOHM 1/10W 5%
			R 220	476-2472-J-10	RES CHIP 4.7KOHM 1/10W 5%
			R 221	476-2472-J-10	RES CHIP 4.7KOHM 1/10W 5%
			R 222	476-2472-J-10	RES CHIP 4.7KOHM 1/10W 5%
			R 223	476-2222-J-10	RES CHIP 2.2KOHM 1/10W 5%
			R 224	476-2331-J-10	RES CHIP 330 OHM 1/10W 5%
			R 225	476-2222-J-10	RES CHIP 2.2KOHM 1/10W 5%
			R 226	476-2331-J-10	RES CHIP 330 OHM 1/10W 5%
			R 227	476-2750-J-10	RES CHIP 75 OHM 1/10W 5%

[NOTE] [KS]: SEGA CD II, CD DRIVE UNIT P/N 610-5608  
[KM]: MEGA CD II, CD DRIVE UNIT P/N 610-5608

[SS]: SEGA CD II, CD DRIVE UNIT P/N 610-5603  
[SM]: MEGA CD II, CD DRIVE UNIT P/N 610-5603

Circuit No.	Parts No.	Description	Circuit No.	Parts No.	Description
R 228	476-2472-J-10	RES CHIP 4.7KOHM 1/10W 5%	R 432	476-2823-J-10	RES CHIP 82K OHM 1/10W 5%
R 229	476-2750-J-10	RES CHIP 75 OHM 1/10W 5%	R 433	476-2105-J-10	RES CHIP 1MOHM 1/10W 5%
R 230	476-2472-J-10	RES CHIP 4.7KOHM 1/10W 5%	R 434	476-2223-J-10	RES CHIP 22KOHM 1/10W 5%
R 231	476-2472-J-10	RES CHIP 4.7KOHM 1/10W 5%	R 435	476-2104-J-10	RES CHIP 100KOHM 1/10W 5%
R 232	476-2472-J-10	RES CHIP 4.7KOHM 1/10W 5%	R 436	476-2104-J-10	RES CHIP 100KOHM 1/10W 5%
R 233	476-2472-J-10	RES CHIP 4.7KOHM 1/10W 5%	R 437	476-2104-J-10	RES CHIP 100KOHM 1/10W 5%
R 234	476-2472-J-10	RES CHIP 4.7KOHM 1/10W 5%	R 438	476-2103-J-10	RES CHIP 10KOHM 1/10W 5%
R 235	476-2331-J-10	RES CHIP 330 OHM 1/10W 5%	R 441	479-5010-J-10	RES CHIP 0 OHM 1/10W
R 236	476-2331-J-10	RES CHIP 330 OHM 1/10W 5%	R 444	476-2100-J-10	RES CHIP 10 OHM 1/10W 5%
R 237	476-2332-J-10	RES CHIP 3.3KOHM 1/10W 5%	R 445	476-2101-J-10	RES CHIP 100 OHM 1/10W 5%
R 238	476-2332-J-10	RES CHIP 3.3KOHM 1/10W 5%	R 446	476-2101-J-10	RES CHIP 100 OHM 1/10W 5%
R 239	476-2332-J-10	RES CHIP 3.3KOHM 1/10W 5%	R 447	479-5010-J-10	RES CHIP 0 OHM 1/10W
R 240	476-2332-J-10	RES CHIP 3.3KOHM 1/10W 5%	R 448	476-2820-J-10	RES CHIP 82 OHM 1/10W 5%
R 241	476-2750-J-10	RES CHIP 75 OHM 1/10W 5%	R 448	476-2910-J-10	RES CHIP 91 OHM 1/10W 5%
R 242	476-2750-J-10	RES CHIP 75 OHM 1/10W 5%	R 449	476-2103-J-10	RES CHIP 10KOHM 1/10W 5%
R 243	476-2152-J-10	RES CHIP 1.5KOHM 1/10W 5%	R 449	479-5010-J-10	RES CHIP 0 OHM 1/10W
R 244	476-2122-J-10	RES CHIP 1.2KOHM 1/10W 5%	R 450	476-2333-J-10	RES CHIP 33KOHM 1/10W 5%
R 301	476-2472-J-10	RES CHIP 4.7KOHM 1/10W 5%	R 450	NOT USED	NOT USED
R 301	476-2822-J-10	RES CHIP 8.2KOHM 1/10W 5%	R 451	476-2474-J-10	RES CHIP 470KOHM 1/10W 5%
R 302	476-2162-J-10	RES CHIP 1.6KOHM 1/10W 5%	R 452	476-2103-J-10	RES CHIP 10KOHM 1/10W 5%
R 302	NOT USED	NOT USED	R 454	476-2100-J-10	RES CHIP 10 OHM 1/10W 5%
R 303	476-2162-J-10	RES CHIP 1.6KOHM 1/10W 5%	R 456	476-2100-J-10	RES CHIP 10 OHM 1/10W 5%
R 304	476-2472-J-10	RES CHIP 4.7KOHM 1/10W 5%	R 465	476-2100-J-10	RES CHIP 10 OHM 1/10W 5%
R 401	476-2102-J-10	RES CHIP 1KOHM 1/10W 5%	R 468	476-2103-J-10	RES CHIP 10KOHM 1/10W 5%
R 402	476-2100-J-10	RES CHIP 10 OHM 1/10W 5%	R 469	476-2103-J-10	RES CHIP 10KOHM 1/10W 5%
R 403	476-2103-J-10	RES CHIP 10KOHM 1/10W 5%	R 470	476-2103-J-10	RES CHIP 10KOHM 1/10W 5%
R 404	476-2153-J-10	RES CHIP 15KOHM 1/10W 5%	R 471	476-2103-J-10	RES CHIP 10KOHM 1/10W 5%
R 405	476-2102-J-10	RES CHIP 1KOHM 1/10W 5%	R 472	476-2103-J-10	RES CHIP 10KOHM 1/10W 5%
R 406	476-2104-J-10	RES CHIP 100KOHM 1/10W 5%	R 473	476-2103-J-10	RES CHIP 10KOHM 1/10W 5%
R 407	476-2103-J-10	RES CHIP 10KOHM 1/10W 5%	R 474	476-2473-J-10	RES CHIP 47KOHM 1/10W 5%
R 408	476-2223-J-10	RES CHIP 22KOHM 1/10W 5%	R 476	476-2103-J-10	RES CHIP 10KOHM 1/10W 5%
R 409	476-2223-J-10	RES CHIP 22KOHM 1/10W 5%	R 477	476-2103-J-10	RES CHIP 10KOHM 1/10W 5%
R 410	476-2101-J-10	RES CHIP 100 OHM 1/10W 5%	R 478	476-2103-J-10	RES CHIP 10KOHM 1/10W 5%
R 411	476-2101-J-10	RES CHIP 100 OHM 1/10W 5%	R 479	476-2103-J-10	RES CHIP 10KOHM 1/10W 5%
R 412	479-5010-J-10	RES CHIP 0 OHM 1/10W	R 480	476-2103-J-10	RES CHIP 10KOHM 1/10W 5%
R 413	476-2103-J-10	RES CHIP 10KOHM 1/10W 5%	R 481	476-2103-J-10	RES CHIP 10KOHM 1/10W 5%
R 414	476-2182-J-10	RES CHIP 1.8KOHM 1/10W 5%	R 482	476-2103-J-10	RES CHIP 10KOHM 1/10W 5%
R 414	476-2222-J-10	RES CHIP 2.2KOHM 1/10W 5%	R 483	476-2103-J-10	RES CHIP 10KOHM 1/10W 5%
R 415	476-2223-J-10	RES CHIP 22KOHM 1/10W 5%	R 484	476-2103-J-10	RES CHIP 10KOHM 1/10W 5%
R 416	476-2334-J-10	RES CHIP 330K OHM 1/10W 5%	R 485	476-2103-J-10	RES CHIP 10KOHM 1/10W 5%
R 417	151-0421	CAP CER CH 4700PF/50V B K	R 486	479-5010-J-10	RES CHIP 0 OHM 1/10W
R 418	479-5010-J-10	RES CHIP 0 OHM 1/10W	R 487	476-2103-J-10	RES CHIP 10KOHM 1/10W 5%
R 419	476-2184-J-10	RES CHIP 180KOHM 1/10W 5%	R 488	476-2683-J-10	RES CHIP 68KOHM 1/10W 5%
R 420	476-2334-J-10	RES CHIP 330K OHM 1/10W 5%	R 489	476-2473-J-10	RES CHIP 47KOHM 1/10W 5%
R 421	476-2224-J-10	RES CHIP 220KOHM 1/10W 5%	R 490	476-2333-J-10	RES CHIP 33KOHM 1/10W 5%
R 421	476-2823-J-10	RES CHIP 82KOHM 1/10W 5%	R 490	476-2473-J-10	RES CHIP 47KOHM 1/10W 5%
R 422	476-2154-J-10	RES CHIP 150K OHM 1/10W 5%	R 491	476-2154-J-10	RES CHIP 150KOHM 1/10W 5%
R 422	NOT USED	NOT USED	R 491	476-2184-J-10	RES CHIP 180KOHM 1/10W 5%
R 423	476-2224-J-10	RES CHIP 220KOHM 1/10W 5%	R 492	476-2100-J-10	RES CHIP 10 OHM 1/10W 5%
R 423	476-2274-J-10	RES CHIP 270KOHM 1/10W 5%	R 493	476-2100-J-10	RES CHIP 10 OHM 1/10W 5%
R 424	476-2153-J-10	RES CHIP 15KOHM 1/10W 5%	R 494	476-2100-J-10	RES CHIP 10 OHM 1/10W 5%
R 424	476-2203-J-10	RES CHIP 20KOHM 1/10W 5%	R 495	476-2100-J-10	RES CHIP 10 OHM 1/10W 5%
R 425	476-2393-J-10	RES CHIP 39KOHM 1/10W 5%	R 496	476-2103-J-10	RES CHIP 10KOHM 1/10W 5%
R 426	476-2332-J-10	RES CHIP 3.3KOHM 1/10W 5%	R 497	476-2103-J-10	RES CHIP 10KOHM 1/10W 5%
R 426	476-2472-J-10	RES CHIP 4.7KOHM 1/10W 5%	R 498	476-2103-J-10	RES CHIP 10KOHM 1/10W 5%
R 427	476-2334-J-10	RES CHIP 330K OHM 1/10W 5%	R 601	476-2102-J-10	RES CHIP 1KOHM 1/10W 5%
R 428	476-2514-J-10	RES CHIP 510KOHM 1/10W 5%	R 602	476-2104-J-10	RES CHIP 100KOHM 1/10W 5%
R 429	476-2103-J-10	RES CHIP 10KOHM 1/10W 5%	R 701	479-5010-J-10	RES CHIP 0 OHM 1/10W
R 430	476-2224-J-10	RES CHIP 220KOHM 1/10W 5%	R 702	476-2330-J-10	RES CHIP 33 OHM 1/10W 5%
R 431	476-2332-J-10	RES CHIP 3.3KOHM 1/10W 5%	R 703	476-2330-J-10	RES CHIP 33 OHM 1/10W 5%
			R 704	476-2330-J-10	RES CHIP 33 OHM 1/10W 5%
			R 705	476-2330-J-10	RES CHIP 33 OHM 1/10W 5%
			R 706	476-2330-J-10	RES CHIP 33 OHM 1/10W 5%

[NOTE] [KS]: SEGA CD II, CD DRIVE UNIT P/N 610-5608  
[KM]: MEGA CD II, CD DRIVE UNIT P/N 610-5608

[SS]: SEGA CD II, CD DRIVE UNIT P/N 610-5603  
[SM]: MEGA CD II, CD DRIVE UNIT P/N 610-5603